

203.5 - Differential Scanning Calorimetry and Differential Thermal Analysis

These SRMs are intended for calibration and validation of differential scanning calorimeters, differential thermal analyzers, and similar instruments.  
Enthalpy and Temperature of Fusion  
Enthalpy and Heat Capacity  
Thermal Analysis Purity Set

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	2232	2234	2235
Description	Indium DSC Calibration Standard - Temperature and Enthalpy of Fusion	Gallium for Thermal Analysis	Bismuth for Thermal Analysis
Unit Size	(1 g)	(2 g)	(1.5 g)
Enthalpy of Fusion (J/g)	28.51	80.097	53.146
Melting Temperature (K)	156.5985°C	302.9146	544.556

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203.5(2)- Enthalpy and Heat Capacity

SRM	705a	720	781D2
Description	Polystyrene (Narrow Molecular Weight Distribution)	Sapphire Heat Capacity	Molybdenum - Heat Capacity
Unit Size	(5 g)	(15 g)	(10 cm)
Molecular Weight (in g/mol)	170,900		
Temperature Range (in K)	10 to 350	10 to 2250	273.15 to 2800

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203.5(3)- Thermal Analysis Purity Set

SRM	1514
Description	Thermal Analysis Purity Set
Unit of Issue	(set (4))
Measurand	4 levels of p-ABA (in mol %)

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